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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/084,415	02/28/2002	Atsushi Isozaki	111925	8710
25944 OLIFF & BER	7590 03/06/2007 RIDGE PLC	7	EXAMINER	
P.O. BOX 199	28	GRANT II, JEROME		
ALEXANDRIA, VA 22320			ARTUNIT	PAPER NUMBER
			2625	
			MAIL DATE	DELIVERY MODE
			03/06/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

Supplemental						
Notice	of Allowability					

Application No.	Applicant(s)	
10/084,415	ISOZAKI ET AL.	
Examiner	Art Unit	
Jerome Grant II	2625	

Nation of Allowability	10/00 1,110			
Notice of Allowability	Examiner	Art Unit		
	Jerome Grant II	2625		
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate communication is sufficient in the communication of the communication is sufficient in the communication in the communication is sufficient in the communication in the communi	this application. If not inc nication will be mailed in a	cluded due course. THIS	
1. \boxtimes This communication is responsive to <u>an interview conductor</u>	ed Dec. 21, 2006.			
2. The allowed claim(s) is/are <u>1-19</u> .				
3.	e been received. e been received in Application cuments have been received of this communication to file affect of this application. Initted. Note the attached EXA es reason(s) why the oath or set be submitted. Son's Patent Drawing Review of Amendment / Comment or 1.84(c)) should be written on the header according to 37 CFF esit of BIOLOGICAL MATE	in this national stage applianthis national stage applianthis national stage applianthis a reply complying with the MINER'S AMENDMENT declaration is deficient. (PTO-948) attached in the Office action of a drawings in the front (not a 1.121(d).	e requirements or NOTICE OF	
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Su Paper No./N 7. ☑ Examiner's A	ormal Patent Application mmary (PTO-413), Mail Date Amendment/Comment Statement of Reasons for . J. Grant II	Allowance	

Examiner's Amendment

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Scott Schulte on December 21, 2006.

In the claims:

- 1 (Amended by the Examiner) A gear changing device, comprising:
- a drive motor rotatable in a forward direction or a reverse direction;
- a sun gear that is rotated by the drive motor;
- a planetary gear that is constantly engaged with the sun gear;
- a rotating member that is concentric with the sun gear and rotates in a same direction as the sun gear when the sun gear rotates in the forward direction, so as to pivotally rotate the planetary gear around the sun gear, and that stops rotating when the sun gear rotates in the reverse direction, so as to allow the planetary gear to rotate on an axis of the planetary gear to a plurality of predetermined positions on a path of the

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planetary gear where the planetary gear pivotally rotates, the rotating member being provided on a circumference thereof with a plurality of recesses and projections that are one of indented and protruded in a diametrical direction of the rotating member, the rotating member alternately disposing the recesses and projections, each having a specific width;

a plurality of transmission gears that are engaged with the planetary gear at the predetermined positions on the path of the planetary gear where the planetary gear pivotally rotates; and electronic sensors switch that detects the recesses and the projections at a fixed position.

- 6. (Amended by the Examiner) a Communication apparatus that performs communication with a remote communication apparatus, comprising:
- a gear changing device, including;
- a drive motor rotatable in a forward direction or a reverse direction;
- a sun gear that is rotated by the drive motor;
- a planetary gear that is constantly engaged with the sun gear;
- a rotating member that is concentric with the sun gear and rotates in a same direction as the sun gear when the sun gear rotates in the forward direction, so as to pivotally rotate the planetary gear around the sun gear, and that stops rotating when the sun gear rotates in the reverse direction, so as to allow the planetary gear to rotate on an axis of the planetary gear to a plurality of predetermined positions on a path of the planetary gear where the planetary gear pivotally rotates, the rotating member being provided on

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a circumference thereof with a plurality of recesses and projections that are one of indented and protruded in a diametrical direction of the rotating member, the rotating member alternately disposing the recesses and projections, each having a specific width;

a plurality of transmission gears that are engaged with the planetary gear at the predetermined positions on the path of the planetary gear where the planetary gear pivotally rotates; and electronic sensor switch that detects the recesses and the projections at a fixed position; and wherein the communication apparatus includes at least a transmission mode and a reception mode in association with the transmission gears.

Claim 18 (New) The gear changing device according to claim1, wherein the electronic sensor switch sends an ON level signal or an OFF level signal.

Claim 19 (New) The communication apparatus according to claim 6, wherein the electronic sensor switch sends an ON level signal or an OFF level signal.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jerome Grant II whose telephone number is 571-272-7463. The examiner can normally be reached on Mon.-Thurs. from 9:00 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David K. Moore, can be reached on 571-272-7437. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

